FIG. 1

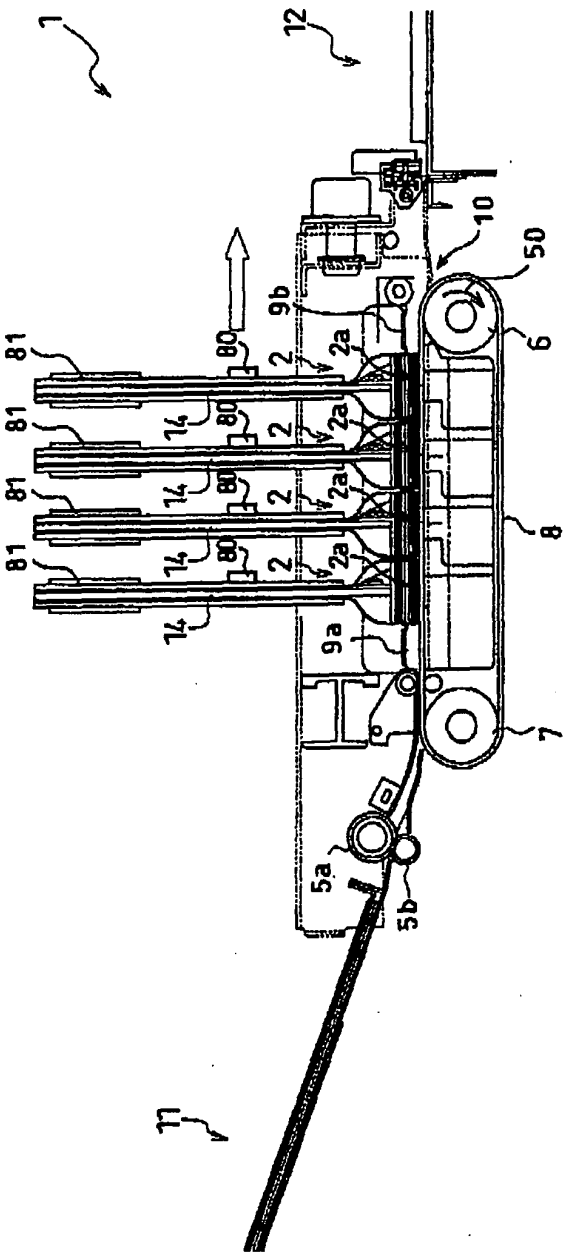

FIG. 2

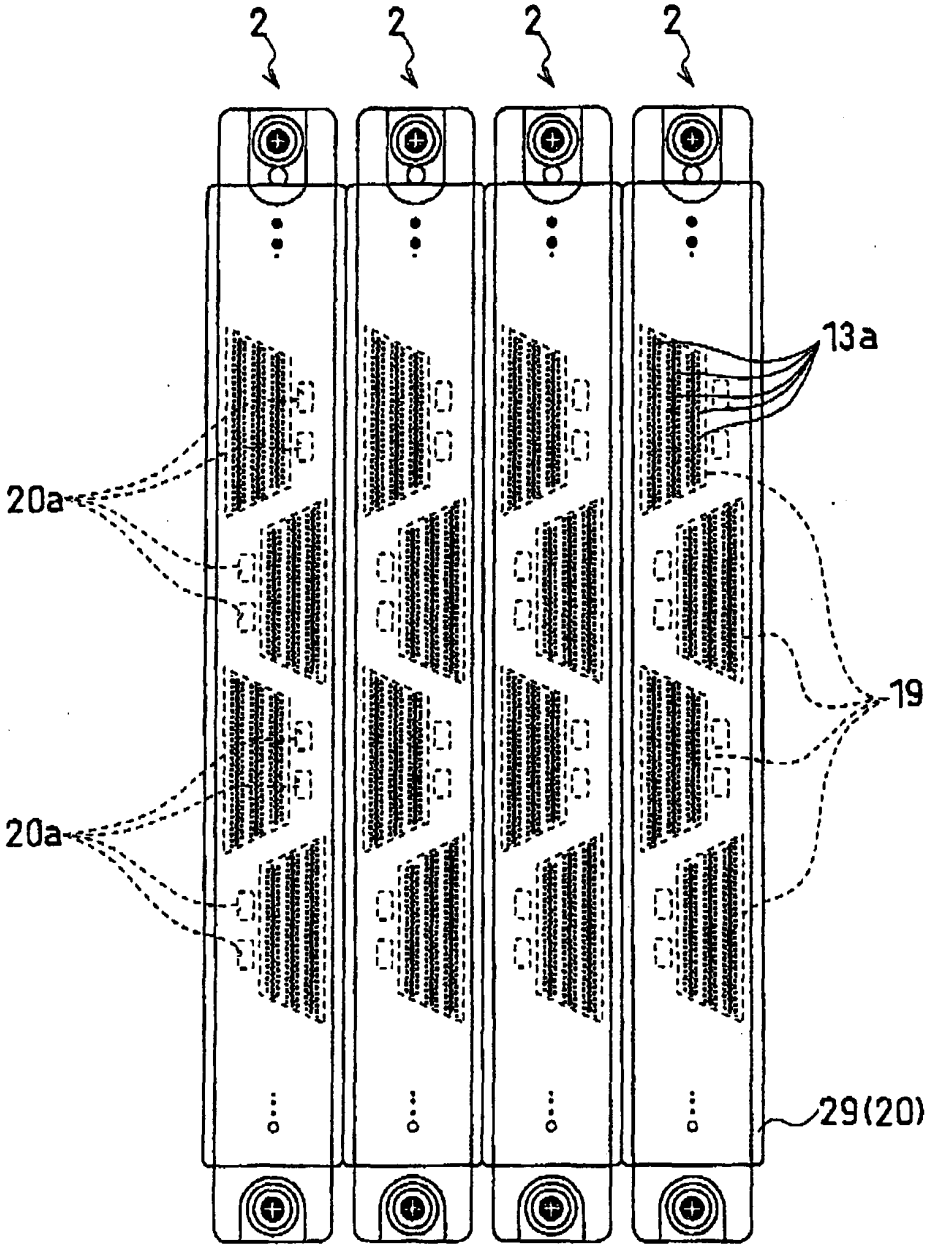

FIG. 3

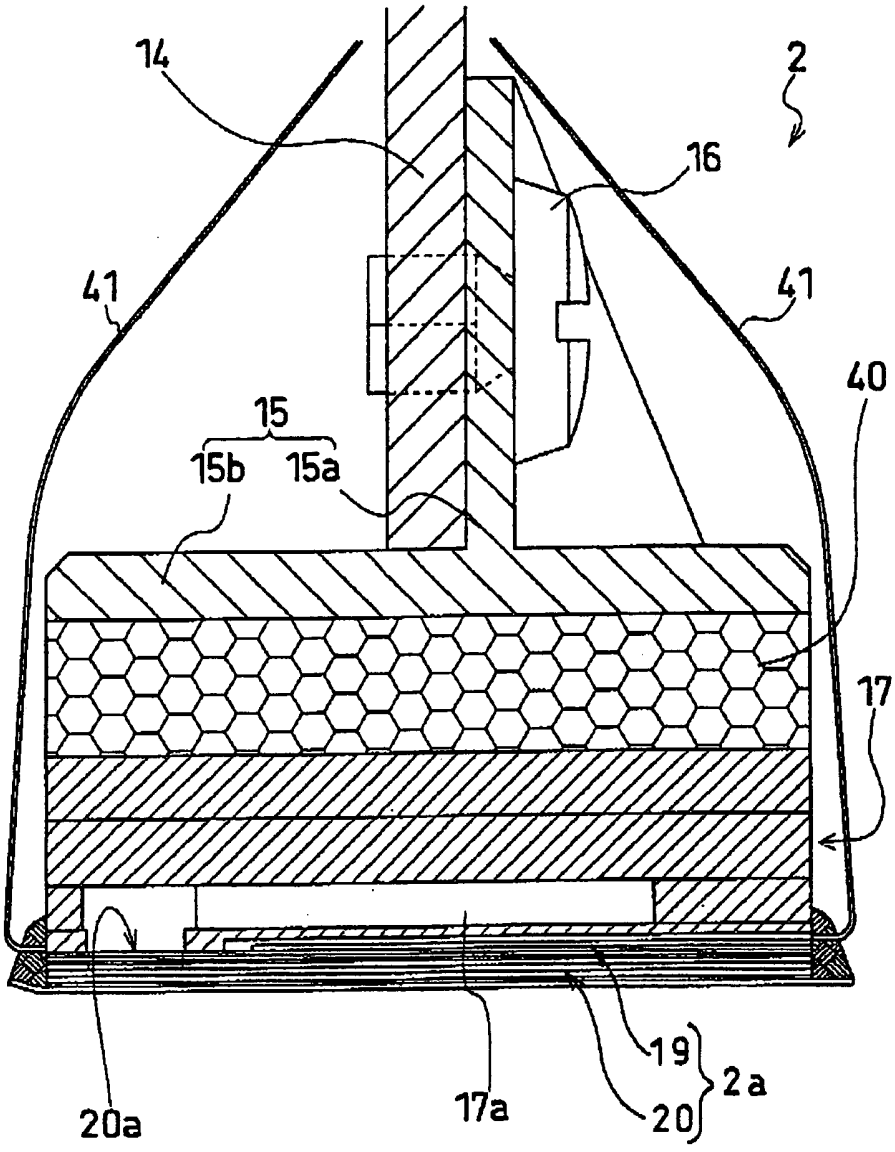

FIG. 4

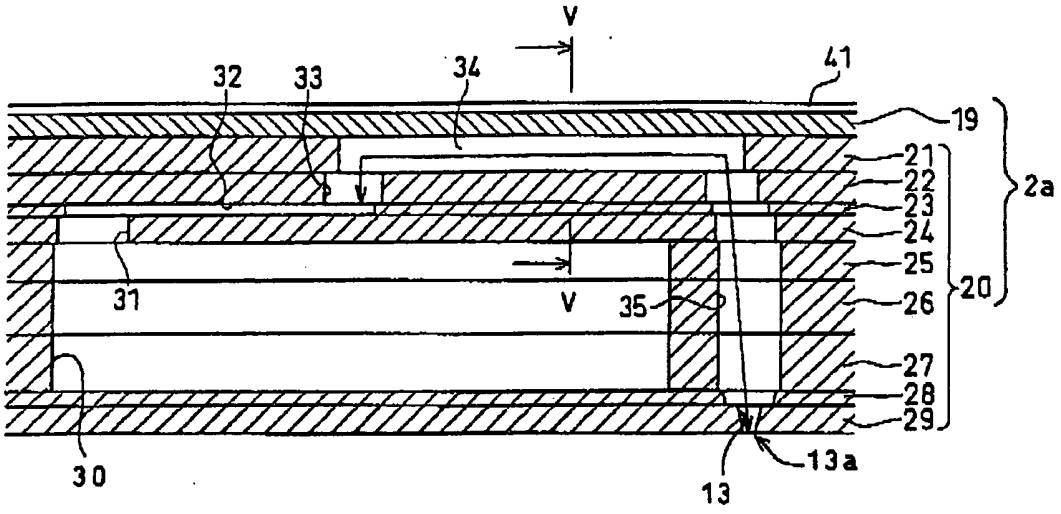

FIG. 5

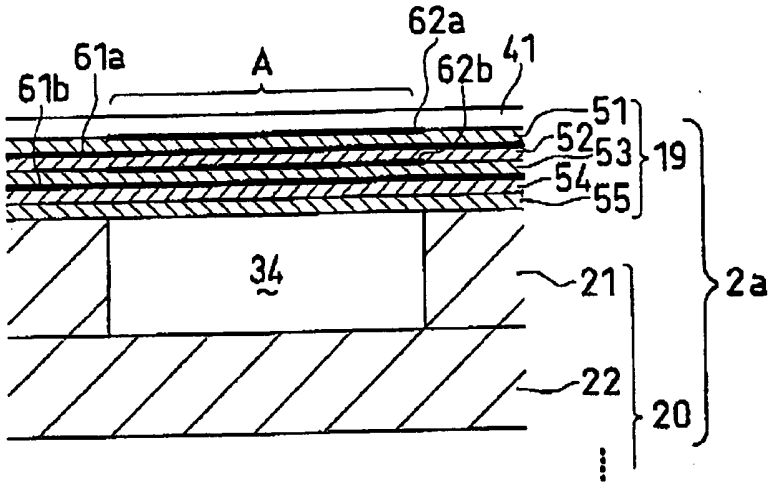

FIG. 6

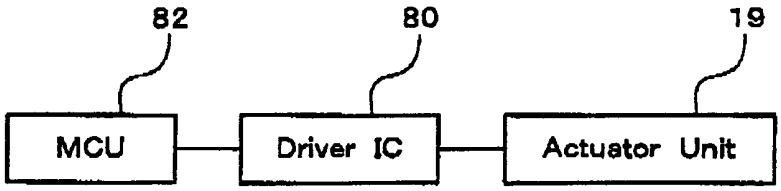

FIG. 7A

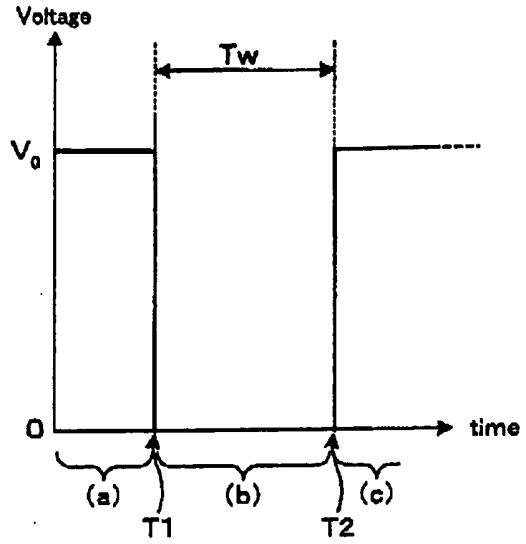

FIG. 7B

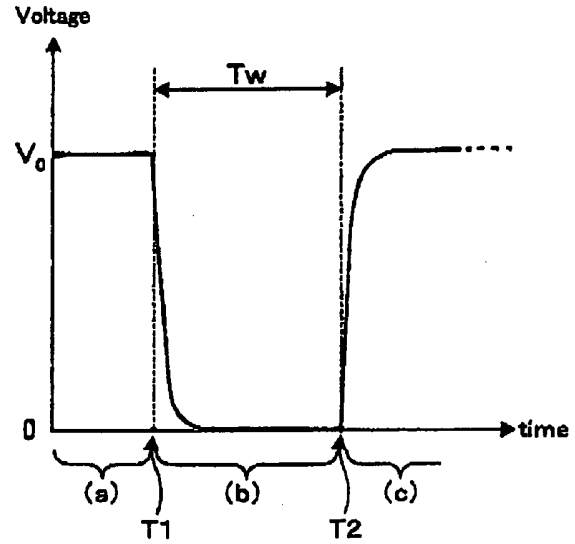

FIG. 8A

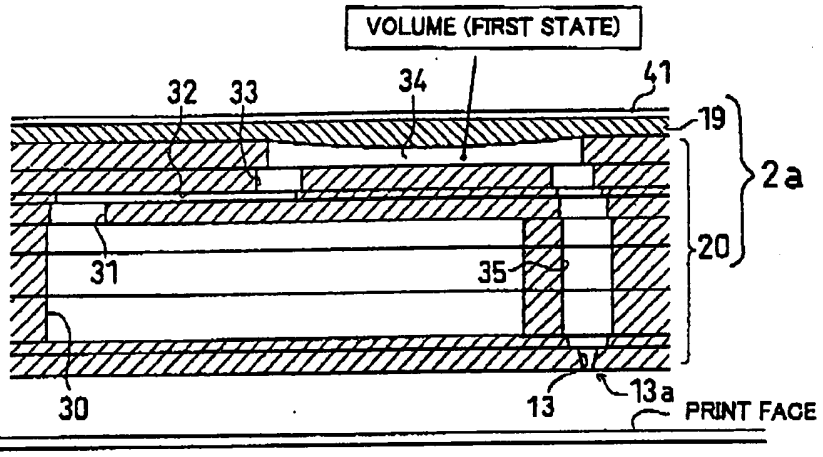

FIG. 8B

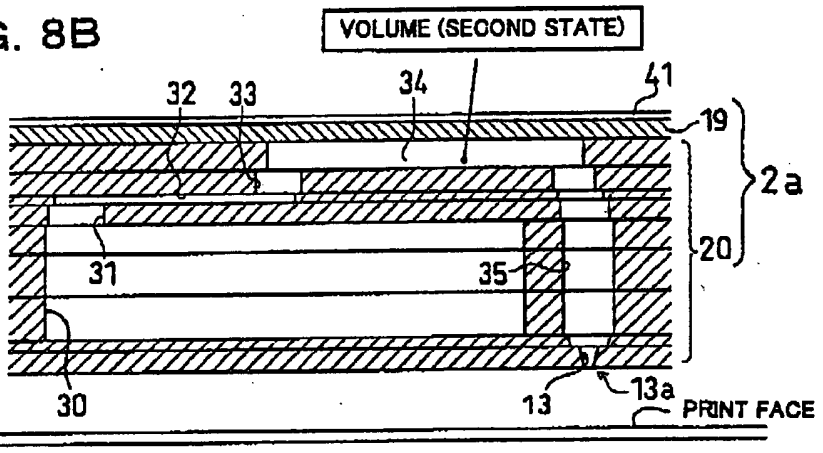

FIG. 8C

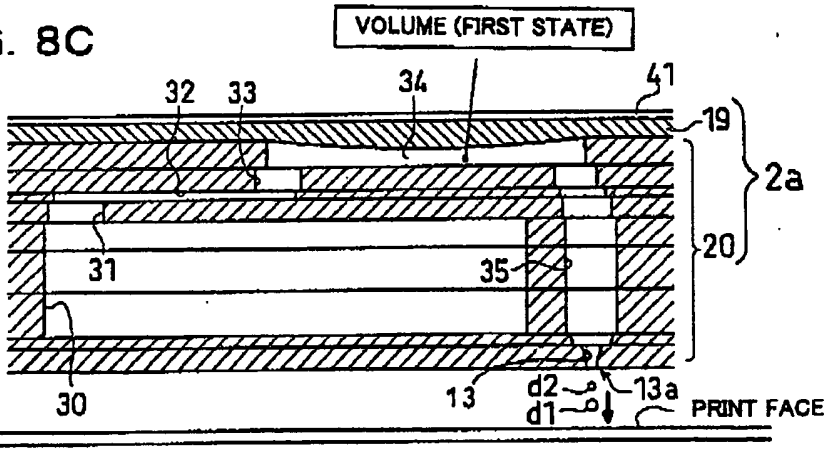

FIG. 9

RELATIONS AMONG PULSE WIDTH,EJECTION SPEED, AND SIZE RATIO [AL=5.4 μ S]		
PULSE WIDTH	EJECTION SPEED	SIZE RATIO
4. 0	4. 76	1. 50
4. 5	6. 06	0. 75
5. 0	7. 69	0. 67
5. 5	7. 69	0. 60
6. 0	6. 06	0. 67
6. 5	5. 13	1. 17

RELATIONS AMONG PULSE WIDTH,EJECTION SPEED, AND SIZE RATIO [AL=5.2 μ S]		
PULSE WIDTH	EJECTION SPEED	SIZE RATIO
3. 4	6. 25	1. 50
4. 0	7. 69	1. 00
4. 4	8. 70	0. 86
5. 0	11. 11	0. 75
5. 4	11. 11	0. 75
6. 0	7. 41	0. 86
6. 4	6. 06	0. 86

RELATIONS AMONG PULSE WIDTH,EJECTION SPEED, AND SIZE RATIO [AL=5.0 μ S]		
PULSE WIDTH	EJECTION SPEED	SIZE RATIO
3. 0	6. 45	
3. 5	7. 69	1. 50
4. 0	8. 70	3. 00
4. 5	11. 11	0. 86
5. 0	11. 76	0. 75
5. 5	11. 76	0. 75
6. 0	10. 53	0. 60
6. 5	6. 25	0. 88
7. 0	4. 17	1. 17

FIG. 10

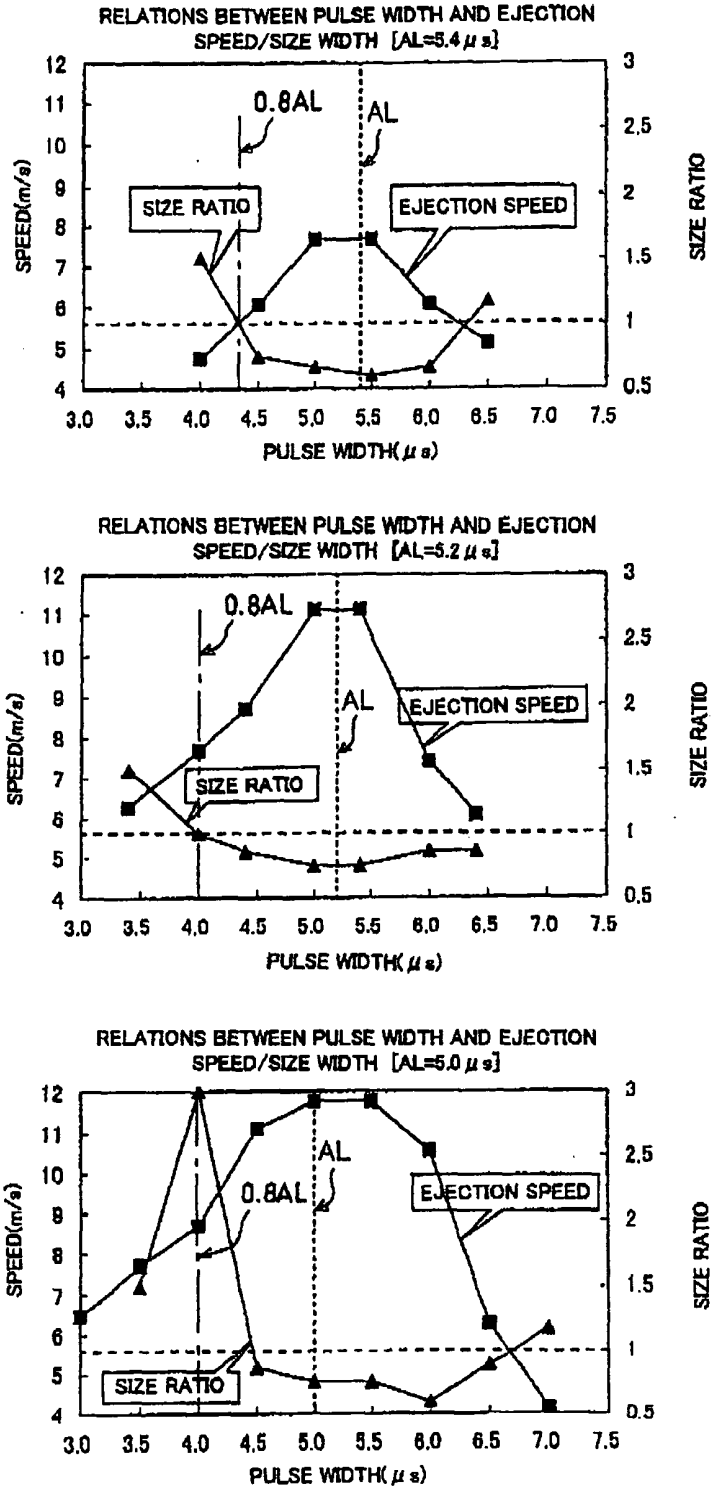
RELATIONS BETWEEN PULSE WIDTH AND EJECTION SPEED/SIZE WIDTH [AL=5.4 μs]
0.8AL
AL
SIZE RATIO
EJECTION SPEED
SPEED(m/s)
SIZE RATIO
PULSE WIDTH(μs)
RELATIONS BETWEEN PULSE WIDTH AND EJECTION SPEED/SIZE WIDTH [AL=5.2 μs]
0.8AL
AL
EJECTION SPEED
SIZE RATIO
SPEED(m/s)
SIZE RATIO
PULSE WIDTH(μs)
RELATIONS BETWEEN PULSE WIDTH AND EJECTION SPEED/SIZE WIDTH [AL=5.0 μs]
AL
0.8AL
EJECTION SPEED
SIZE RATIO
SPEED(m/s)
SIZE RATIO
PULSE WIDTH(μs)

FIG. 11

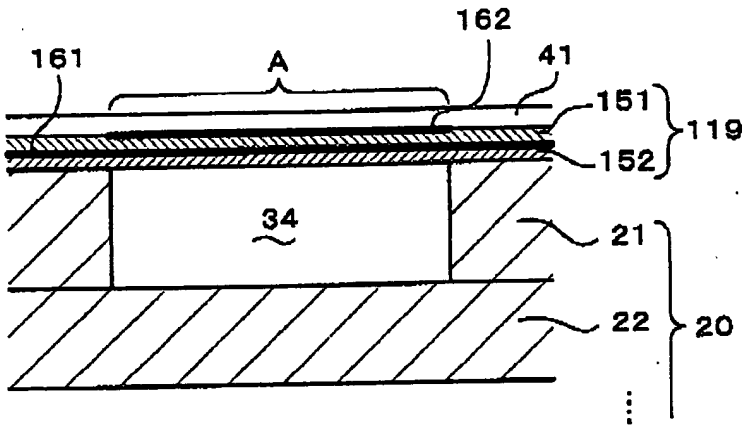

FIG. 12